



## VITA 67.3 Full Detent SMPS Male to Smooth Bore SMPS Male Adapter

### RF Adapters Technical Data Sheet

**PE49830**

#### Configuration

- Full Detent SMPS Male Connector 1
- Smooth Bore SMPS Male Connector 2
- 50 Ohm
- VITA 67.3 Design
- Straight Body Geometry

#### Features

- Max VSWR of 1.35:1 up to 40 GHz
- Gold Plated Beryllium Copper Contact

#### Applications

- General Purpose Test
- Allows Connection In Series

#### Description

Pasternack's PE49830 precision SMPS male to SMPS male VITA 67.3 plug-in adapter is part of our full line of RF components available for same-day shipping. Our SMPS male to SMPS male adapter has a male to male gender configuration built of durable stainless steel in a precision design. PE49830 SMPS male to SMPS male adapter operates to 40 GHz. The Pasternack RF adapter provides excellent VSWR of 1.35 maximum.

RF adapters are often used to enable connections between two connector types that would otherwise not mate. Certain adapter configurations can also be used to protect connectors on expensive equipment where the number of connect/disconnect cycles is high. An RF, microwave or millimeter wave adapter is connected to the equipment, and the commonly changed connection is made with the adapter which can be easily replaced when it wears out after high usage; such adapters are referred to as connector savers. Pasternack also offers bulkhead, panel mount, hermetically sealed, reverse polarity, and isolated ground adapter varieties to serve all of your RF, microwave and millimeter wave needs.

#### Electrical Specifications

| Description     | Minimum | Typical | Maximum | Units |
|-----------------|---------|---------|---------|-------|
| Frequency Range | DC      |         | 40      | GHz   |
| Impedance       |         | 50 Ohm  |         |       |
| VSWR            |         |         | 1.35:1  |       |

#### Mechanical Specifications

|             |                   |
|-------------|-------------------|
| <b>Size</b> |                   |
| Length      | 0.32 in [8.13 mm] |
| Width       | 0.13 in [3.30 mm] |
| Height      | 0.13 in [3.30 mm] |
| Weight      | 0.00 lbs [0.27 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [VITA 67.3 Full Detent SMPS Male to Smooth Bore SMPS Male Adapter PE49830](#)



## VITA 67.3 Full Detent SMPS Male to Smooth Bore SMPS Male Adapter

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| Description         | Connector 1 | Connector 2 |
|---------------------|-------------|-------------|
| Type                | SMPS Male   | SMPS Male   |
| Polarity            | Standard    | Standard    |
| Mating Cycles, Min* | 100         | 500         |

#### Material Specifications

| Description     | Connector 1                |         | Connector 2                |         |
|-----------------|----------------------------|---------|----------------------------|---------|
|                 | Material                   | Plating | Material                   | Plating |
| Type            | Full Detent SMPS Male      |         | Smooth Bore SMPS Male      |         |
| Contact         | Beryllium Copper           | Gold    | Beryllium Copper           | Gold    |
| Insulation      | PTFE                       |         | PTFE                       |         |
| Outer Conductor | Passivated Stainless Steel |         | Passivated Stainless Steel |         |
| Body            | Passivated Stainless Steel |         | Passivated Stainless Steel |         |

#### Environmental Specifications

##### Temperature

Operating Range -65 to +165 °C

Humidity

MIL-STD-202, Method 106, Less Step 7B

Shock

MIL-STD-202, Method 213, Condition I

Vibration

MIL-STD-202, Method 204, Condition D

Thermal Shock

MIL-STD-202, Method 107, Condition B

#### Compliance Certifications (see [product page](#) for current document)

#### Plotted and Other Data

Notes:

- PE49830 works with PE49832 SMPS VITA 67.3 12 Port Plug-In Module D and PE49834 Mini SMP VITA 67.3 19 Port Plug-In Module C

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VITA 67.3 Full Detent SMPS Male to Smooth Bore SMPS Male Adapter from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

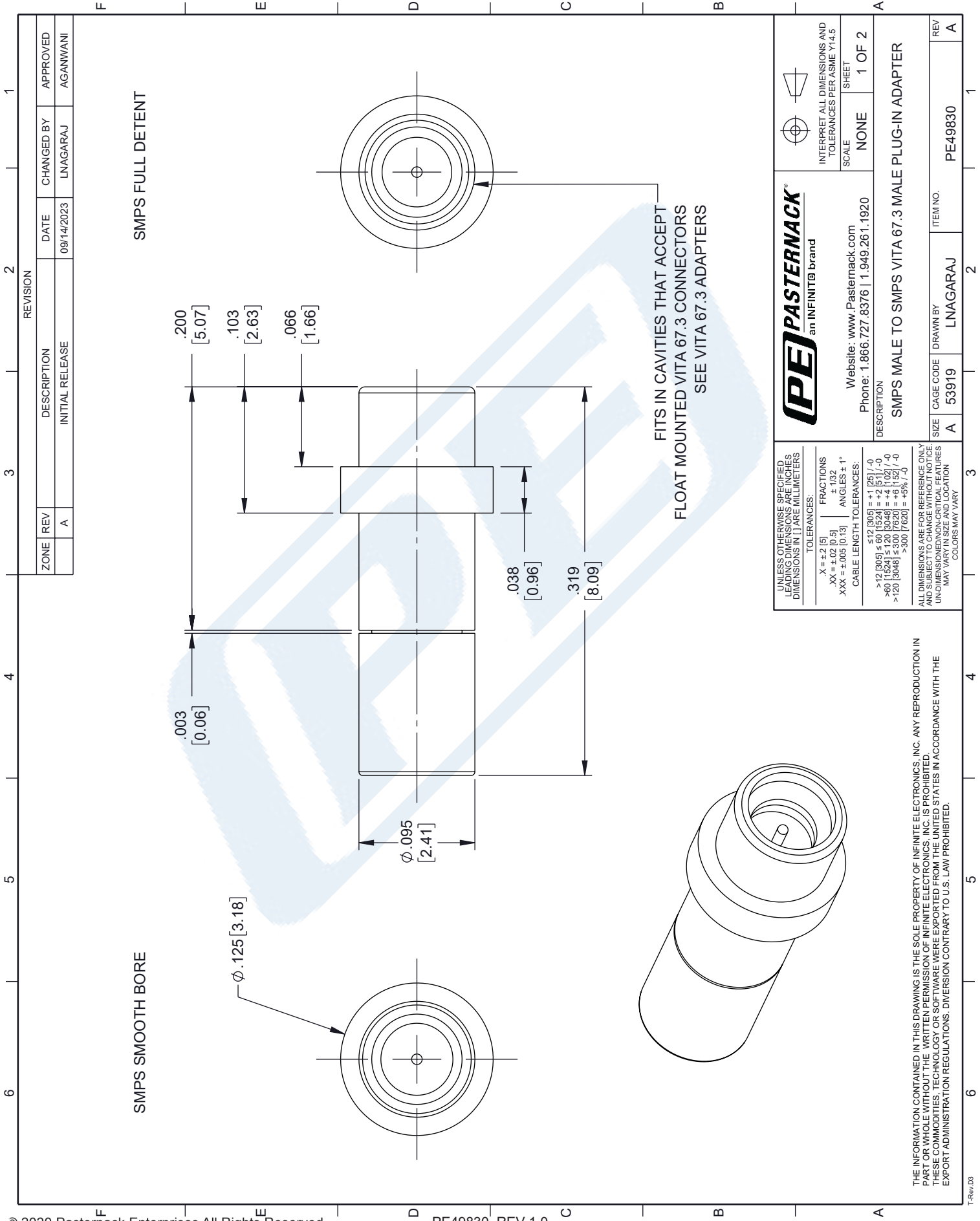
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [VITA 67.3 Full Detent SMPS Male to Smooth Bore SMPS Male Adapter PE49830](https://www.pasternack.com/vita-67.3-full-detent-smps-male-to-smps-male-smooth-bore-adapter-pe49830-p.aspx)

URL: <https://www.pasternack.com/vita-67.3-full-detent-smps-male-to-smps-male-smooth-bore-adapter-pe49830-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

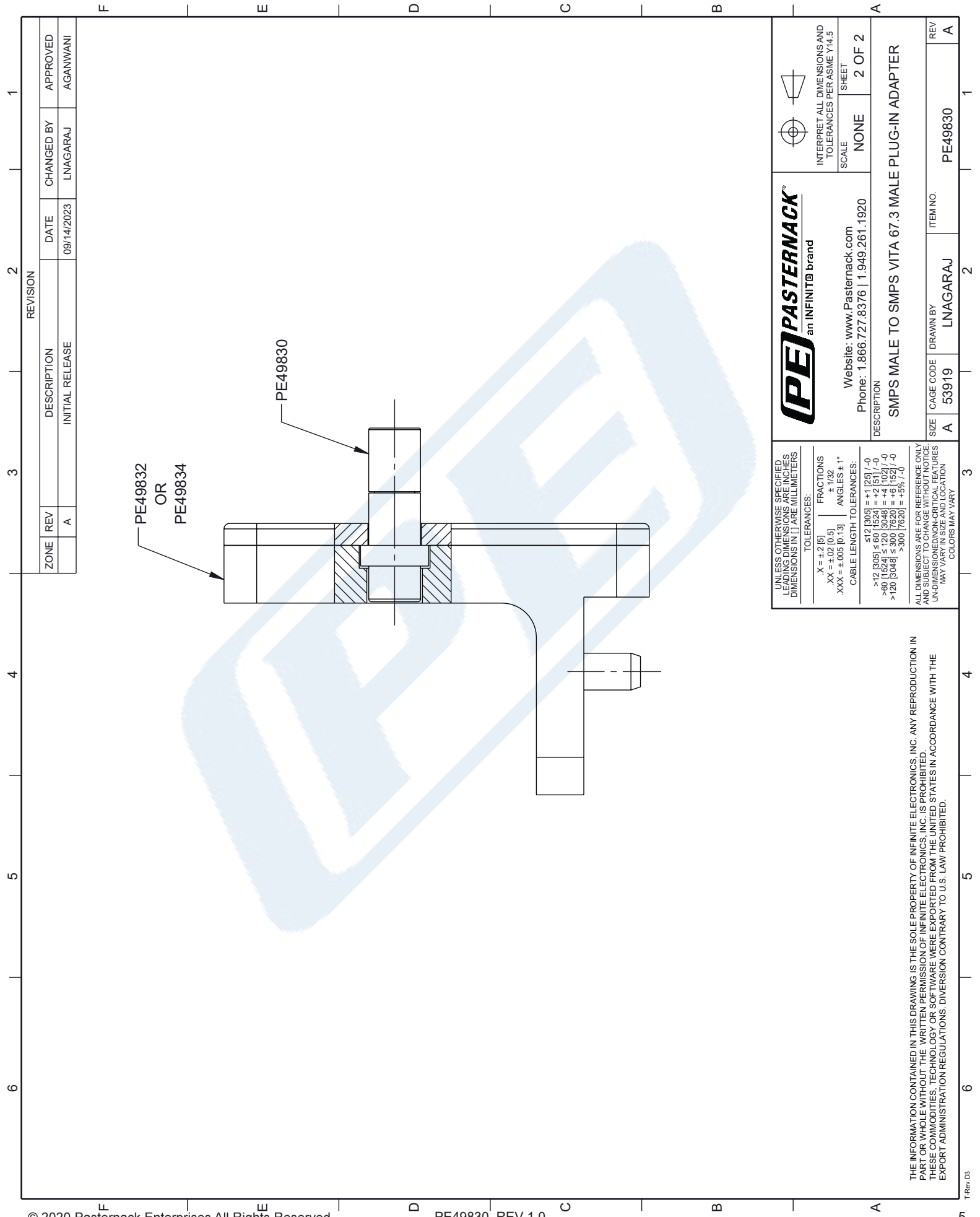
# PE49830 CAD Drawing

## VITA 67.3 Full Detent SMPS Male to Smooth Bore SMPS Male Adapter



PE49830 CAD Drawing

VITA 67.3 Full Detent SMPS Male to Smooth Bore SMPS Male Adapter



| ZONE |  | REV |  | DESCRIPTION     |  | DATE       |  | CHANGED BY |  | APPROVED |  |
|------|--|-----|--|-----------------|--|------------|--|------------|--|----------|--|
|      |  | A   |  | INITIAL RELEASE |  | 09/14/2023 |  | LNAGARAJ   |  | AGANWANI |  |

UNLESS OTHERWISE SPECIFIED  
LEADING DIMENSIONS ARE IN INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

|                     |                     |
|---------------------|---------------------|
| .X = ±.2 [5]        | FRACTIONS<br>± 1/32 |
| .XX = ±.02 [0.5]    | ANGLES ± 1°         |
| .XXX = ±.005 [0.13] |                     |

CABLE LENGTH TOLERANCES:

|                          |           |     |
|--------------------------|-----------|-----|
| <12 [305]                | ±.1 [25]  | /-0 |
| >12 [305] ≤ 60 [1524]    | ±.2 [51]  | /-0 |
| >60 [1524] ≤ 120 [3048]  | ±.4 [102] | /-0 |
| >120 [3048] ≤ 300 [7620] | ±.6 [152] | /-0 |
| >300 [7620]              | ±.5%      | /-0 |

**PE PASTERNAK**  
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Website: [www.Pasternack.com](http://www.Pasternack.com)  
Phone: 1.866.727.8376 | 1.949.261.1920

DESCRIPTION  
SMPS MALE TO SMPS VITA 67.3 MALE PLUG-IN ADAPTER

INTERPRET ALL DIMENSIONS AND  
TOLERANCES PER ASME Y14.5

SCALE  
NONE

SHEET  
2 OF 2

|           |                    |                      |          |
|-----------|--------------------|----------------------|----------|
| SIZE<br>A | CAGE CODE<br>53919 | DRAWN BY<br>LNAGARAJ | ITEM NO. |
|-----------|--------------------|----------------------|----------|

REV  
A

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